

- ◆ 6, 10, 15 & 20 dB Attenuation Values
- ◆ Guaranteed Low PIM
- ◆ Available in 4.3-10, 4.1-9.5 DIN, 7-16 DIN or N-type Connectors
- ◆ Wideband Performance
- ◆ 10 Watt Average Power
- ◆ RoHS Compliant
- ◆ Effective for all low PIM applications



**FY-20C, 20 dB  
Low PIM Attenuator**



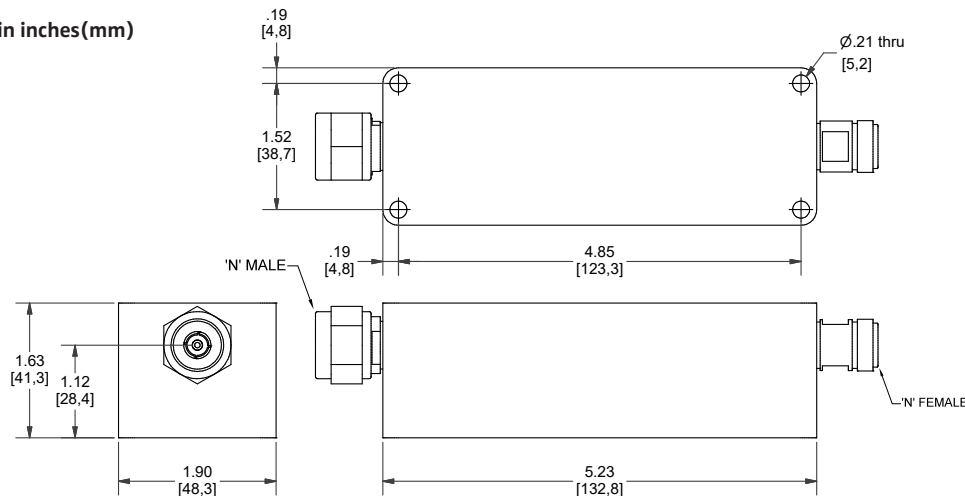
Microlab FY Series is a low PIM, unidirectional Attenuator, using a multi section, quarter wave, stripline coupler with a low PIM cable load. It is designed for indoor applications covering all wireless bands from 694 to 2,700 MHz. This model couples off a portion of the input power to the output. This achieves a flat attenuation response over a wide frequency range.

The wide frequency range allows use with multiband antennas and leaky cable systems and in wireless base stations. With minimal solder joints and an air dielectric, the dissipative loss has been minimized and reliability enhanced.

Model Number				Attenuation		Power
N-type	4.1-9.5	7-16	4.3-10	Nom. Value	Flatness	Max avg.
FY-06N	FY-06C	FY-06D	FY-06E	6.5 dB	±0.8 dB	<13W
FY-10N	FY-10C	FY-10D	FY-10E	10.5 dB	±1.0 dB	<10W
FY-15N	FY-15C	FY-15D	FY-15E	15.5 dB	±1.0 dB	<10W
FY-20N	FY-20C	FY-20D	FY-20E	20.5 dB	±1.0 dB	<10W

Frequency Range: 694 to 2,700 MHz  
 VSWR: (all ports) <1.25:1 (694-2500 MHz)  
 <1.35:1 (2500-2700 MHz)  
 PIM (Intermod): <-110 dBm (+37dBm x 2)  
 Impedance: 50Ω nominal  
 Environment: -20° - +70°C, Indoor  
 Finish: Passivated aluminum  
 Connectors: Male-Female, Triplate finish  
 Dimensions: 5.23 x 1.90 x 1.63 inches  
 Weight: 22.3 oz. (0.63kg) nominal

Dimension in inches(mm)



Note: Specifications are subject to change without prior notification.

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